



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

27/Mar/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Mar/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.913	3219.663	1) Madhya Pradesh	72.878	1819.020
2) Hydro	5.205	351.668	2) Gujrat	16.163	512.512
3) Gas	15.719	348.143	3) Goa	-6.141	-163.235
Total MSGENCO	133.837	3919.474	4) TAPS 1&2 (Inj.)	7.327	185.797
B) OTHERS			5) Pench (Excess)	0.002	-1.888
1) RGPPL Gas	15.087	343.997	# Total Cent. Sector	90.229	2352.206
2) Wind Generation	6.333	113.056	F) Other Exchanges		
3) PENCH (MS)	0.047	1.937	1) With TPCL	-0.255	-61.344
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.545	776.207	1) MSEDCL Bilateral	10.980	240.389
2) TPCL Hydro	3.711	89.328	Include PX	0.424	46.155
TOTAL TPCL	28.256	865.535	2) MUMBAI Bilateral	2.093	104.823
3) REL Thermal	12.735	342.235	Include PX	-0.057	17.779
D) STATE			3) MUMBAI Schedule	2.093	107.973
1) Thermal (A1+C1+C3)	150.193	4338.105	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	8.963	442.933	1) MSEDCL	245.278	6671.263
3) Gas (A3+B1)	30.806	692.140	2) TPCL	25.485	846.694
4) Wind (B2)	6.333	113.056	3) REL	15.759	429.135
TOTAL STATE	196.295	5586.234	TOTAL STATE	286.522	7947.092

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4612	4874	4880
MSGENCO Hydro	156	451	103
MSGENCO Gas	663	653	669
MSGENCO Total Generation	5431	5978	5652
Central Sector Receipt	3844	4215	3387
RGPPL	628	628	631
WIND	142	442	231
Exchange with TPCL	3	-250	105
MSEDCL DEMAND MET	10048	11037	10006
Load Shedding	3296	2983	0
MSEDCL DEMAND (INCL. LS)	13344	14020	10006
TPCL GENERATION	1325	1232	960
REL GENERATION	530	529	532
TPCL+REL DEMAND	1852	2011	1387
STATE DEMAND MET	11900	13048	11393
STATE DEMAND (INCL. LS)	15196	16031	11393
Frequency (Hz)	49.64	49.85	49.92
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4127 MW at 09:00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			65.13 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.33 Hz at 06.04 Hrs	49.23 Hz at 11.21 Hrs	49.8	0 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 27/Mar/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	9.24	0	0	0
Unit 2	0.85	41.34	82	0	0
Unit 3	1.84	32.20	90	66	80
Unit 4	1.77	35.28	85	49	80
Unit 5	3.18	96.51	163	108	140
Unit 6	0.00	64.31	0	0	0
Unit 7	3.22	83.02	166	94	140
	10.85	361.89			440
Bhusawal					
Unit 1	0.62	20.00	29	21	25
Unit 2	4.46	118.95	195	170	190
Unit 3	4.51	124.12	195	177	190
	9.59	263.07			405
Parli					
Unit 1	0.58	14.48	26	24	20
Unit 2	0.61	15.80	26	25	20
Unit 3	3.52	76.00	153	135	130
Unit 4	3.63	65.04	158	142	150
Unit 5	3.68	84.15	158	149	155
Unit 6	0.41	147.16	232	0	0
	12.44	402.64			475
Chandrapur					
Unit 1	4.09	100.71	176	158	170
Unit 2	3.91	106.62	168	151	160
Unit 3	4.97	133.12	212	200	210
Unit 4	4.54	103.89	205	160	210
Unit 5	10.47	236.88	472	371	450
Unit 6	10.10	245.23	450	357	450
Unit 7	9.02	268.29	410	340	400
	47.09	1194.75			2050
Paras					
Unit 2	1.14	29.39	50	45	45
Unit 3	0.00	43.03	0	0	0
	1.14	72.43			45
Khaparkheda					
Unit 1	4.56	100.82	206	155	200
Unit 2	3.59	124.44	198	0	0
Unit 3	1.61	128.66	211	0	0
Unit 4	4.51	121.75	208	170	200
	14.26	475.68			400
Nasik					
Unit 1	2.18	41.50	100	70	90
Unit 2	1.75	51.92	99	55	90
Unit 3	4.42	115.70	190	178	180
Unit 4	4.59	122.52	202	183	180
Unit 5	4.61	117.58	206	165	190
	17.55	449.22			730
Uran					
All Units	15.72	348.14	674	635	600
	15.72	348.14			600
Koyna					
Stage 1-2	1.46	62.92	155	35	600
Stage 4	0.78	160.01	260	0	250
Kovna 12&4 Total	2.24	222.94			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.85	46.91	160	0	320
	3.08	269.85			1170
Hydro					
KDPH	0.00	11.91	0	0	0
VTRNA	0.00	7.59	0	0	0
TILLARI	0.46	11.82	61	0	60
BHTGR/VEER	0.96	23.72	40	40	40
BHIRA T.R.	0.21	3.81	80	0	80
RNGR+BHTSA	0.37	8.98	18	14	18
BHANDARDRA	0.00	6.42	0	0	0
ELDARY	0.00	1.14	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.12	6.42	104	0	0
	2.12	81.82			198
PENCH (MS)					
Pench (MS)	0.05	1.94	24	0	
	0.05	1.94			
Wind					
MalharPeth	0.18	3.98			
Vankuswadi	0.46	10.17			
ATIT	0.04	1.63			
Kale	0.14	3.47			
Satara	0.20	4.31			
Shirala	0.20	4.44			
K Mahankal	0.06	1.03			
Supa	0.18	3.85			
Vita	0.92	23.81			
Dondaicha	2.64	34.21			
Sakri	0.40	6.04			
Nandurbar	0.44	5.03			
Khadakale	0.36	9.58			
Khaparale	0.13	1.51			
	6.33	113.06			
Dabhol					
RGPP L II	15.09	344.00	637	623	600
RGPP L III		0.00	0	0	
	15.09	344.00			600
Tata					
Trombay 4	0.00	59.48	0	0	0
Trombay 5	12.12	327.19	505	505	500
Trombay 6	8.25	323.92	410	210	500
Trombay 7A	2.64	58.00	111	109	130
Trombay 7B	1.54	7.62	65	63	50
TATA Hydro	3.71	89.33	316	2	297
	28.26	865.54			1477
REL					
1&2	12.74	342.24	533	528	500
	12.74	342.24			500
Cent Sect					
Share					3725
					3725

MS PG CL	Thermal	112.91	3219.66		4545
	Thml+Gas	128.63	3567.81		5145
	Hydro	5.20	351.67		1368
	Total	133.84	3919.47		6513
State Total		196.30	5586.23		12815

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Mar/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS													
1	5132	103	662	5897	629	245	3227	3185	-95	-20	9936	281	10217	1643	11860	49.78
2	5035	98	658	5791	630	253	3111	3168	23	105	9947	31	9978	1486	11464	49.88
3	4880	103	669	5652	631	231	3105	3387	23	105	10006	0	10006	1387	11393	49.92
4	4518	98	670	5286	630	271	3105	3824	23	104	10115	382	10497	1318	11815	49.80
5	4497	108	671	5276	632	318	3091	3795	23	105	10126	1634	11760	1316	13076	49.92
6	4548	103	670	5321	632	365	2964	3803	170	253	10374	2251	12625	1308	13933	49.73
7	4595	98	674	5367	636	228	3119	3326	23	105	9662	3609	13271	1488	14759	49.87
8	4564	98	672	5334	637	156	3293	3206	203	277	9610	3820	13430	1460	14890	49.81
9	4581	143	663	5387	632	149	3301	3552	193	263	9983	3595	13578	1565	15143	49.78
10	4612	156	663	5431	628	142	3496	3844	-65	3	10048	3296	13344	1852	15196	49.64
11	4615	414	650	5679	624	143	3606	3876	-215	-147	10175	2831	13006	1973	14979	49.53
12	4626	469	638	5733	623	92	3599	3733	-215	-144	10037	2805	12842	1995	14837	49.49
13	4665	534	638	5837	623	62	3521	3873	-140	-71	10324	2721	13045	1949	14994	49.63
14	4621	433	640	5694	625	79	3493	3871	-115	-46	10223	2774	12997	1910	14907	49.97
15	4624	247	637	5508	624	198	3492	3739	-115	-47	10022	2943	12965	1913	14878	49.82
16	4582	294	635	5511	623	214	3491	3802	-115	-46	10104	2724	12828	1912	14740	49.70
17	4616	292	640	5548	625	364	3498	3845	-90	-20	10362	2667	13029	1863	14892	49.79
18	4687	217	644	5548	627	447	3575	3882	-74	5	10509	2354	12863	1828	14691	49.85
19	4821	204	647	5672	626	397	3555	3702	-23	56	10453	2281	12734	1807	14541	49.70
20	4874	451	653	5978	628	442	3603	4215	-323	-250	11037	2983	14020	2011	16031	49.85
21	4917	235	658	5810	631	400	3605	4254	-323	-239	10866	2862	13728	1951	15679	50.06
22	4858	94	658	5610	629	384	3610	4140	-323	-241	10535	2848	13383	1897	15280	49.91
23	4729	114	660	5503	630	443	3444	4275	-325	-237	10614	2173	12787	1775	14562	49.87
24	4716	99	649	5464	632	421	3238	3932	-215	-128	10321	1968	12289	1639	13928	49.98
MUs	112.91	5.20	15.72	133.84	15.09	6.44	81.14	90.23	-2.09	-0.25	245.39	55.83	301.22	41.25	342.47	49.80

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 27/Mar/2009

Position as on 6.30 Hrs of 28/Mar/2009

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	31/03/2010
Paras Unit 3	250	10/03/2009	02.03		Continued.	PG Test	30/03/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 3	60	23/10/2008	06.40		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	01/06/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	30/03/2009
Dabhol 1X	290	16/03/2009	17.01		Continued.	No insurance.	
Dabhol 1A	230	16/03/2009	17.05		Continued.	No insurance.	
Nasik Unit 1	125	23/03/2009	17.10		Continued.	Boiler Tube Leakage	27/03/2009
Koradi Unit 6	210	25/03/2009	13.00	28/03/2009	05:47	Boiler Tube Leakage	29/03/2009
Koradi Unit 2	105	25/03/2009	17.51	27/03/2009	09:04	Fire In Wind Box	
Koradi Unit 1	105	26/03/2009	09.45		Continued.	Fire in Control Cable.	
Tata Trombay 4	150	26/03/2009	16.21		Continued.	W/dn	
Parli Unit 6	250	27/03/2009	01.57		Continued.	Boiler Tube Leakage	30/03/2009
Khaparkheda Unit 2	210	27/03/2009	03.08	27/03/2009	07:55	Bus Fault at Khaparkheda.	
Khaparkheda Unit 3	210	27/03/2009	03.08	27/03/2009	18:12	Bus Fault at Khaparkheda.	
Chandrapur Unit 1	210	28/03/2009	02:50		Continued.	Tripped,220 Bus fault at C'pur	28/03/2009
Chandrapur Unit 2	210	28/03/2009	03:11		Continued.	Vacuum failed.	28/03/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Mar/2009

Position as on 6.30 Hrs of 28/Mar/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-II @ Kalmeshwar	25/03/2009	16.30		Continued.	Augmentation of 100MVA ICT by 200MVA ICT
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	27/03/2009	00.20		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Single Ph.105 MVA Spare ICT-II at Karad	02/03/2009	10:45		Continued.	Repl. of existing single phase ICT of 400KV ICT-I, B Ph. by Spare ICT-II
400/220KV,315 MVA ICT-III at Padgha	23/03/2009	09.57		Continued.	L.V.Main Brk.replacement,L.V.Side On TBC.
400/220 KV,315 MVA ICT-II at Chandrapur	23/03/2009	11.14		Continued.	L.V.Main Brk.replacement,L.V.Side On TBC.
400/220 KV,105 MVA Spare ICT-I at Karad S/S.	24/03/2009	12.56		Continued.	Attending oil leakage from neutral bushing.
KORADY-BHSWL CKT. I	26/03/2009	04.34		Continued.	LILO at Akola.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220 KV TBC @ Kharghar	26/03/2009	09.45		Continued.	C.T.Replacement.
Boiser PGCIL-Boiser II	27/03/2009	09:03	27/03/2009	11:27	ISOLATOR MAINTAINANCE WORK
Chinchwad-Urse	27/03/2009	10:22	27/03/2009	12:10	Contact Measurement & Maint.work.
C'WAD-HINJEWADI	27/03/2009	12:31	27/03/2009	14:22	Contact Measurement & Maint.work.
Chinchwad-Theur	27/03/2009	15:03	27/03/2009	16:24	Contact Measurement & Maint.work.
CHINCHWAD-PARVATI	27/03/2009	16:36	27/03/2009	18:47	Contact Measurement & Maint.work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
BBLSR-BHUSAWAL	26/03/2009	04.20		Continued.	Due to Outage on Koradi-BSL-I
Voltage Level : 220KV			Outage Type HAND TRIPPED		
100 MVA ICT-I at A'nagar	27/03/2009	21:45	28/03/2009	00:45	132kv M.Bus-I Outage,L.V.Rph Bus-I to isol jumper brocken.
Warora-Hinganghat	28/03/2009	03:54		Continued.	H/T For O/L,ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - StageIV - I	27/03/2009	23:41	28/03/2009	04:50	TRIPPED ON O/V
400/220 KV,315 MVA ICT-II at Chandrapur	28/03/2009	05:50		Continued.	Tripped,Bph L.V. CT burst.
Voltage Level : 220KV			Outage Type TRIPPED		
Uran-Apta-II	26/03/2009	05.35		Continued.	Bus fault at Uran, Y phase P.T.Burst and C.T.damaged
M.B I @ Kaparkheda	27/03/2009	03.05	27/03/2009	06.26	Bus Fault.
Khaperkheda-Wardha-II	27/03/2009	03.08	27/03/2009	09:20	Bus Fault
Khaperkheda-Purti	27/03/2009	03.08	27/03/2009	09:13	Bus Fault
220/6.6 KV Stn Tr - II @ K'Kheda	27/03/2009	03.08	27/03/2009	07:00	Bus Fault.
220/6.6 KV Stn Tr - III @ K'Kheda	27/03/2009	03.08	27/03/2009	09:45	Bus Fault.
Khapakheda - Koulawada - II	27/03/2009	03.08	27/03/2009	06.26	Bus Fault.
220 KV Bus Coupler @ K'Kheda	27/03/2009	03.08	27/03/2009	06.26	Bus Fault.
Khaparkheda-Ambazari ckt - I	27/03/2009	03.08	27/03/2009	06.39	Bus Fault.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Mar/2009

Position as on 6.30 Hrs of 28/Mar/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Khaparkheda - Kanhan - II	27/03/2009	03.08	27/03/2009	07:12	Bus Fault.
Kaparkheda-Kalmeshwar	27/03/2009	03:08	27/03/2009	08:22	Bus Fault.
220 KV Bus Coupler @ C'PUR	28/03/2009	02:50	28/03/2009	04:06	Tripped, Bus Bar Prot. OPTD
220 kv Rly TSS - II @ C'PUR	28/03/2009	02:50	28/03/2009	04:08	Bus Fault
220/66 kv,50 MVA T/F,@ C'PUR.	28/03/2009	02:50	28/03/2009	04:15	Bus Fault
220/6.6 kv,40 MVA,Stn.T/F-I @ C'PUR	28/03/2009	02:50	28/03/2009	05:12	Bus Fault
C'pur-Sicom-I	28/03/2009	02:50	28/03/2009	04:22	Bus Fault
Chandrapur-Gadchandur	28/03/2009	02:50	28/03/2009	04:26	Bus Fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Mar/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	140
Unit 6	210	30
Unit 7	210	140
	1040	520
Bhusawal		
Unit 1	58	25
Unit 2	210	190
Unit 3	210	190
	478	405
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	145
Unit 4	210	150
Unit 5	210	145
Unit 6	250	0
	940	480
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	350
Unit 6	500	350
Unit 7	500	350
	2340	1470
Paras		
Unit 2	55	0
Unit 3	250	45
	305	45
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	200
	840	800
Nasik		
Unit 1	120	95
Unit 2	120	70
Unit 3	210	180
Unit 4	210	180
Unit 5	210	190
	870	715
Uran		
All Units	852	650
	852	650
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	43
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	198
PENCH (MS)		
Pench (MS)	53	
	53	
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khadakale	0	
Khaparale	0	
	0	
Dabhol		
RGPPPL II	740	600
RGPPPL III	740	
	1480	600
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	80
TATA Hydro	444	297
	1774	1477
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3470
	3143	3470